IOWA STATE UNIVERSITY Office of the Vice President for Research and Economic Development Office of the Vice President for Extension and Outreach The University's Role in Economic Development David Oliver Vice President for Research and Economic Development Joint Economic Development Appropriations Subcommittee February 20, 2013

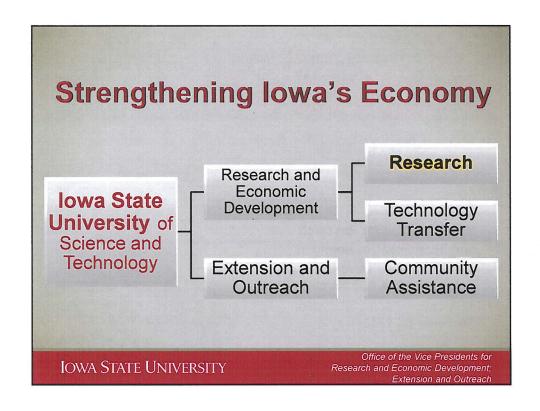
ISU's Main Products

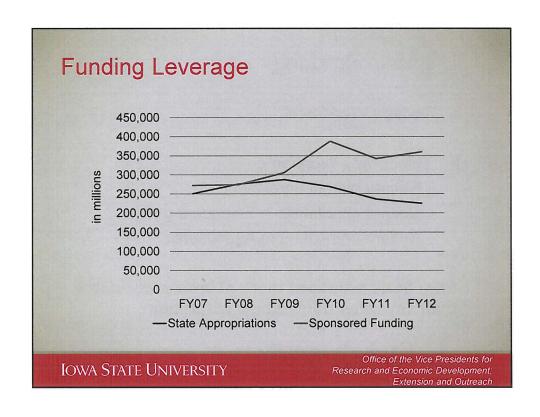
- 1. Today's Workforce
- 2. Tomorrow's Workforce
 - · Record overall enrollment
 - · Record enrollment in Engineering
 - · Record enrollment in Agriculture

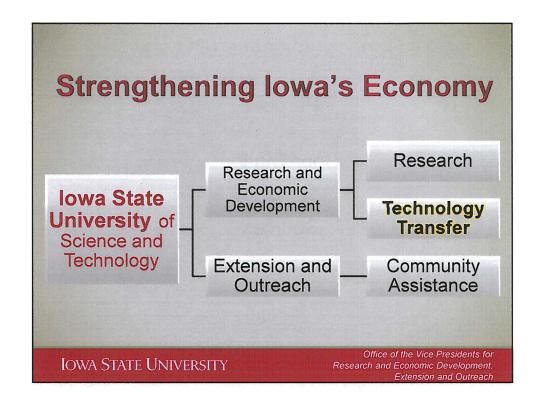
lowa State produces more of lowa's workforce than any other educational institution

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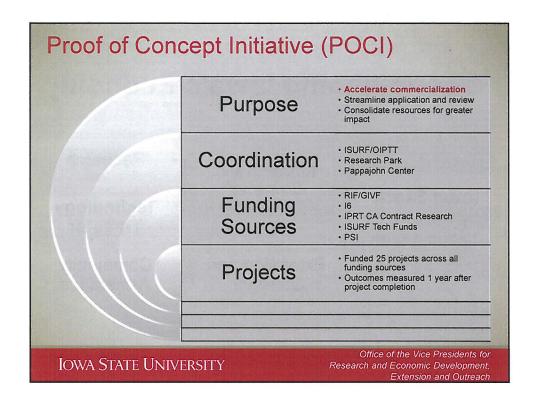


Federal Programs

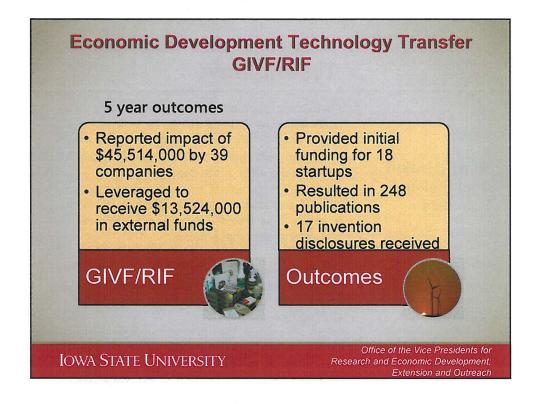
- **i6** with IEDA \$1,000,000 (\$450,000 to ISU). This 2 year program provides research funding for Proof of Concept and Proof of Relevance for 'green' technologies. ISU has awarded
 - · 5 phase I proof of concept projects
 - · 2 phase II proof of concept projects
 - This funding is part of our Proof of Concept Initiative (POCI) and are reviewed and awarded similar to our Regents Innovation Fund
- FAST (Federal and State Technology) \$80,000. This grant
 provides support for state outreach programs to SBIR/STTR
 companies, to increase our number of successful applications.
 The area of emphasis is women and minority-owned small
 businesses.

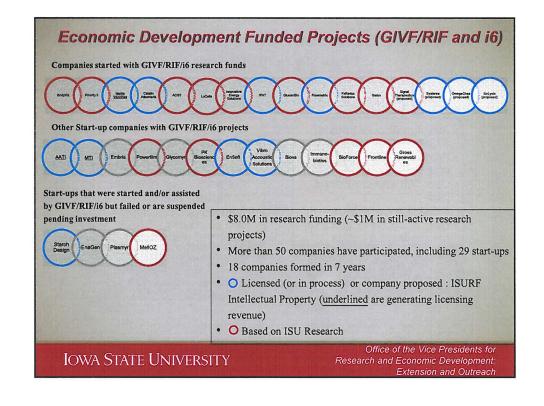
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IPAT (lowa Powder Atomization Technology)

Andy Heidloff Joel Rieken Founders

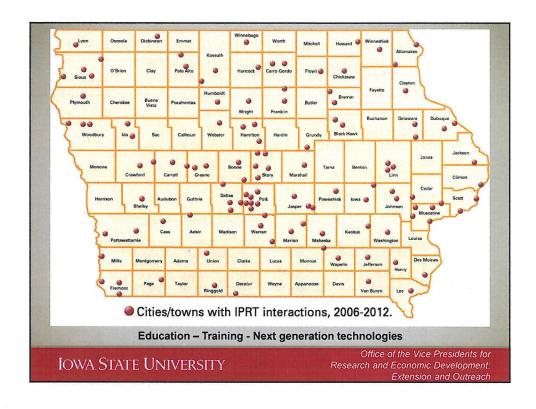
IPAT Corporation was recently formed to commercialize ISU technology for powder metallurgy. IPAT couples a proprietary pouring technology with gas atomization to dramatically increase the yield of the best types of powder. The benefit is higher quality parts and greater availability of powder, allowing a switch from stainless steel to titanium, especially in medial and aerospace fields.

IPAT is a winner of the Department of Energy's Next Top Energy Innovator Award and the 2012 John Pappajohn Iowa Business Plan Competition.

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Economic Development Technology Transfer Five Year Outcomes **Average Annual Impact:** \$9.9M MEP Survey of 22 projects Programs in 55 lowa showed a \$19.4M impact counties IPRT has been involved in Over 100 new or retained 30 startup companies over iobs the past ten years. \$32M financial impact Center support for major Over 400 projects with 210 Iowa employers - CNDE and VRAC with Deere companies in 94 cities IPRT Outcomes □Increased sales ■Retained sales □Cost savings ■Investment Office of the Vice Presidents for IOWA STATE UNIVERSITY Extension and Outreach





Economic Development Technology Transfer Average Annual Outcomes 2528 Clients Entrepreneurial education to 5000+ \$55 million new annually capital 11,000+ hours of one- 1562 New and Saved on-one counseling Jobs annually 151 New Businesses SBDC **Outcomes IOWA STATE UNIVERSITY** Research and Economic Development; Extension and Outreach

Federal Programs The Iowa SBDC attracted \$1,020,451 of U.S Small Business Administration funding for federal FY2013. (Will be reduced to approximately \$938,000 if federal sequestration legislation activates.) Office of the Vice Presidents for Research and Economic Development. Extension and Outreach

CQM Systems



Chuck Dirks
Founder and President

CQM Systems utilizes an innovative technology that provides chemical-free water treatment and perpetual condenser tube cleaning for use in refineries, power plants, and building cooling systems that saves water, reduces maintenance, and extends the life of condenser equipment.

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